

Service Document

Set

RCD 1420 MP3



Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



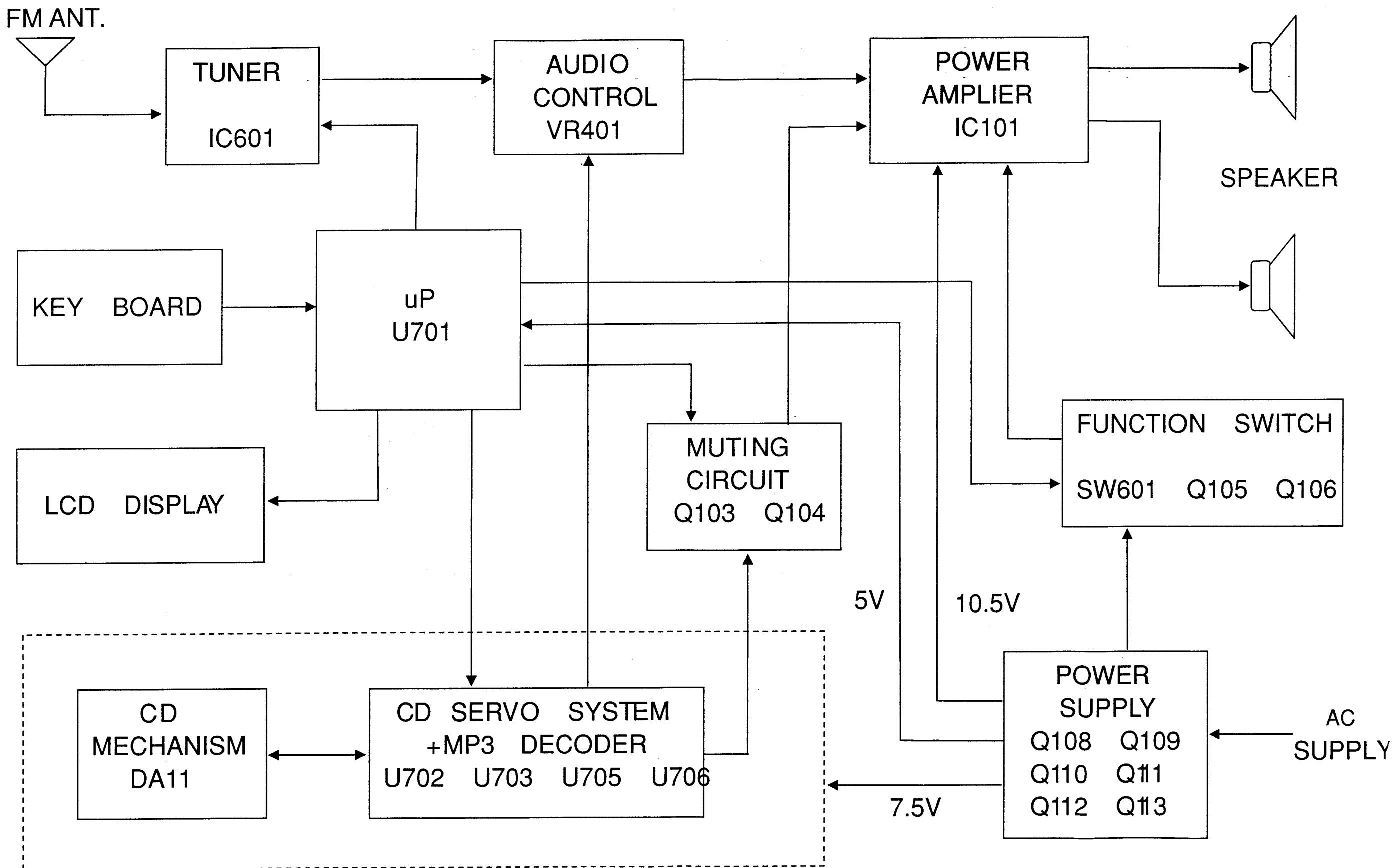
The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

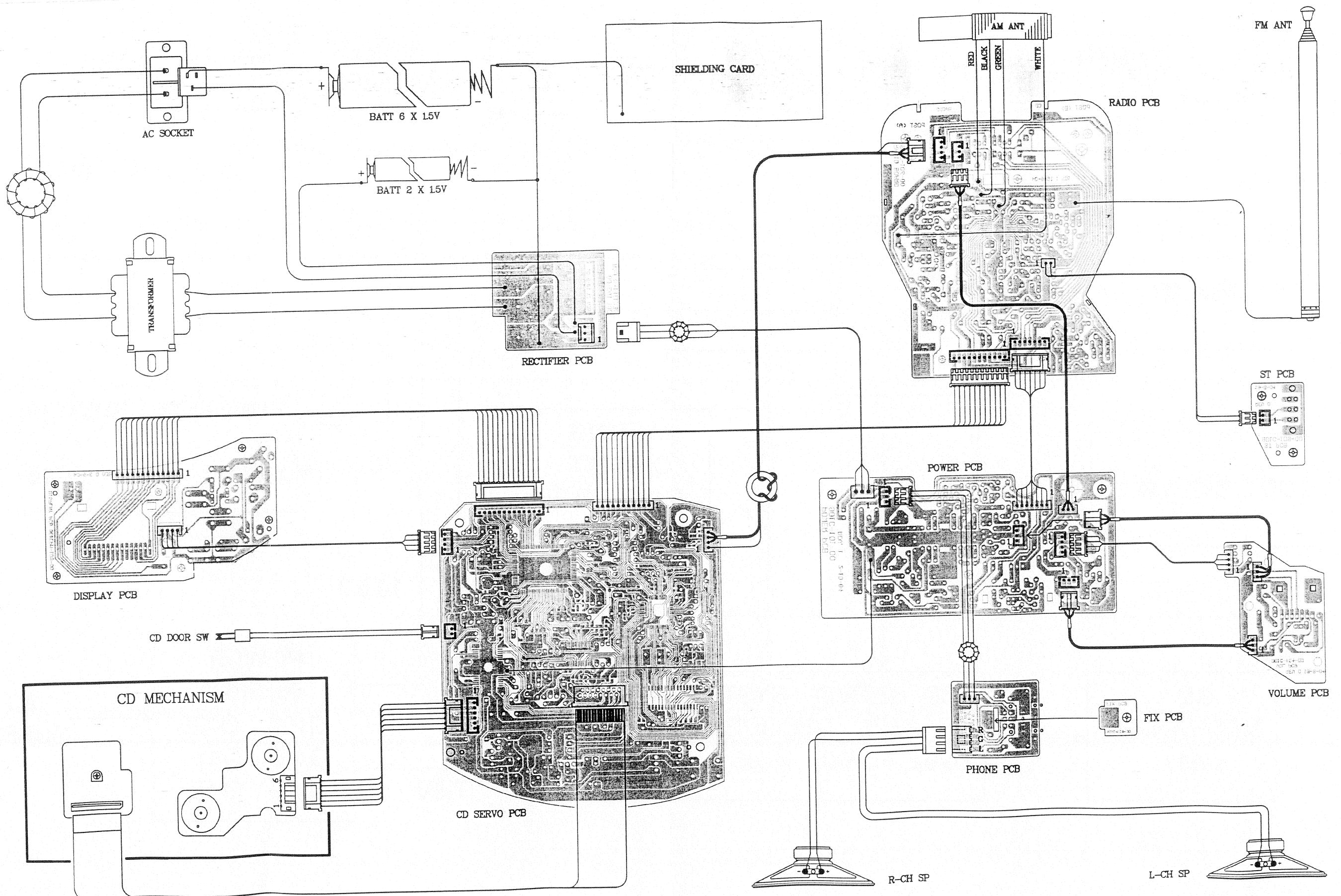
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Änderungen vorbehalten/Subject to alteration

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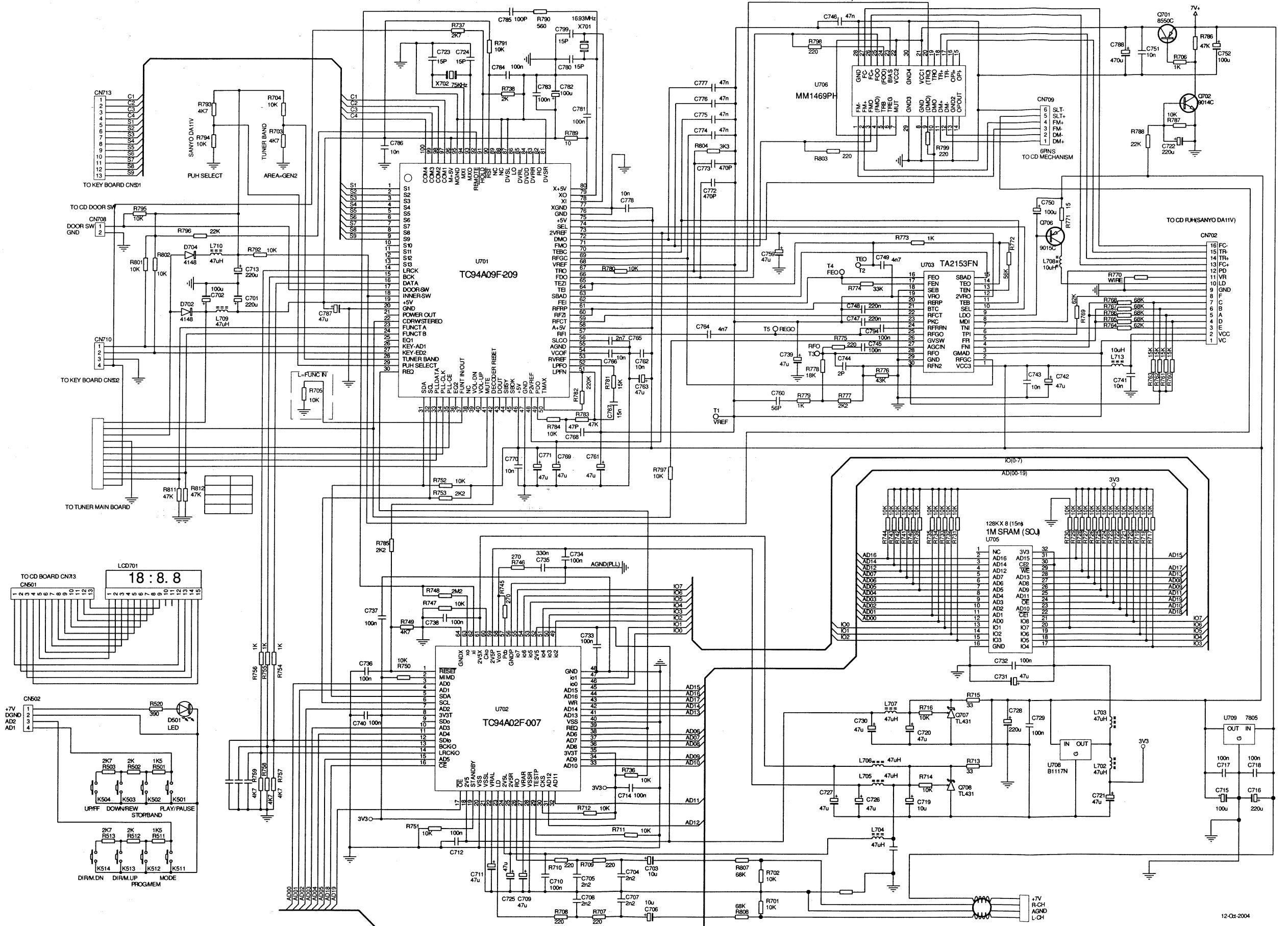
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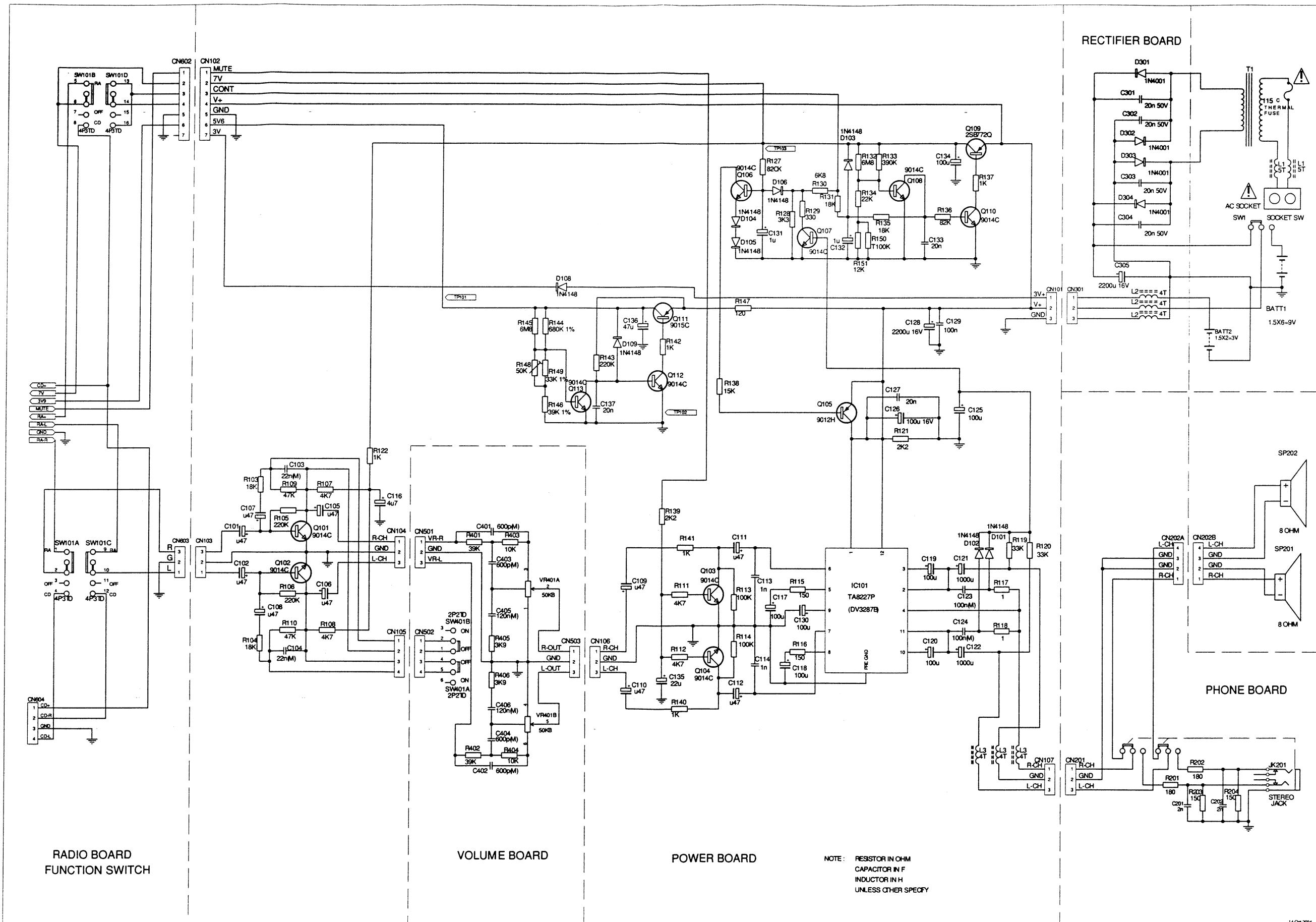


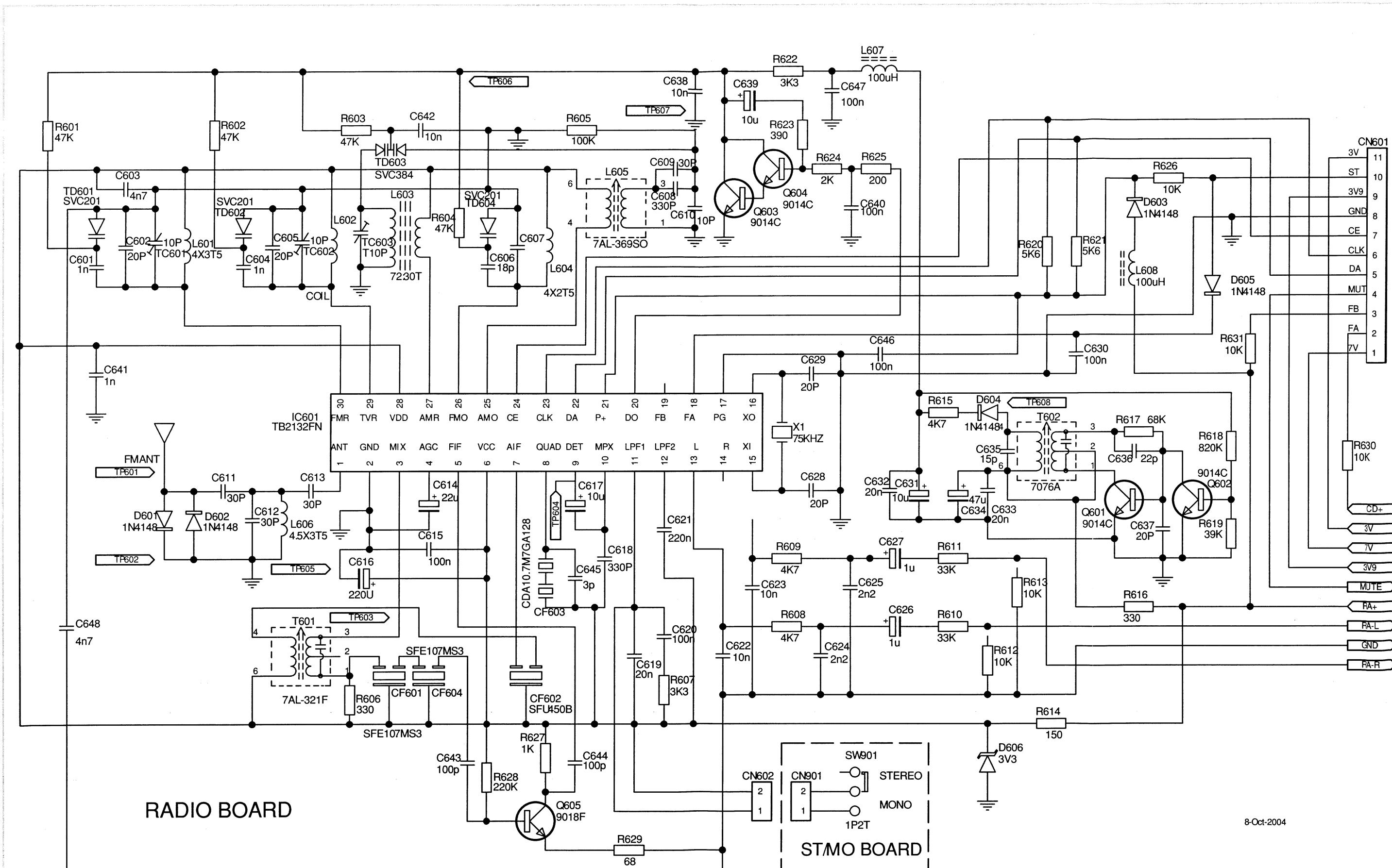


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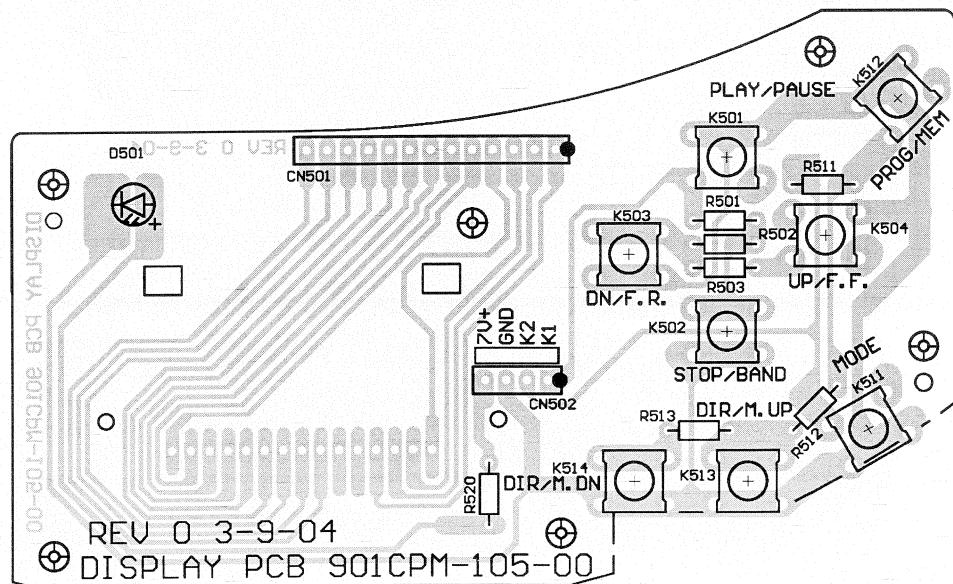
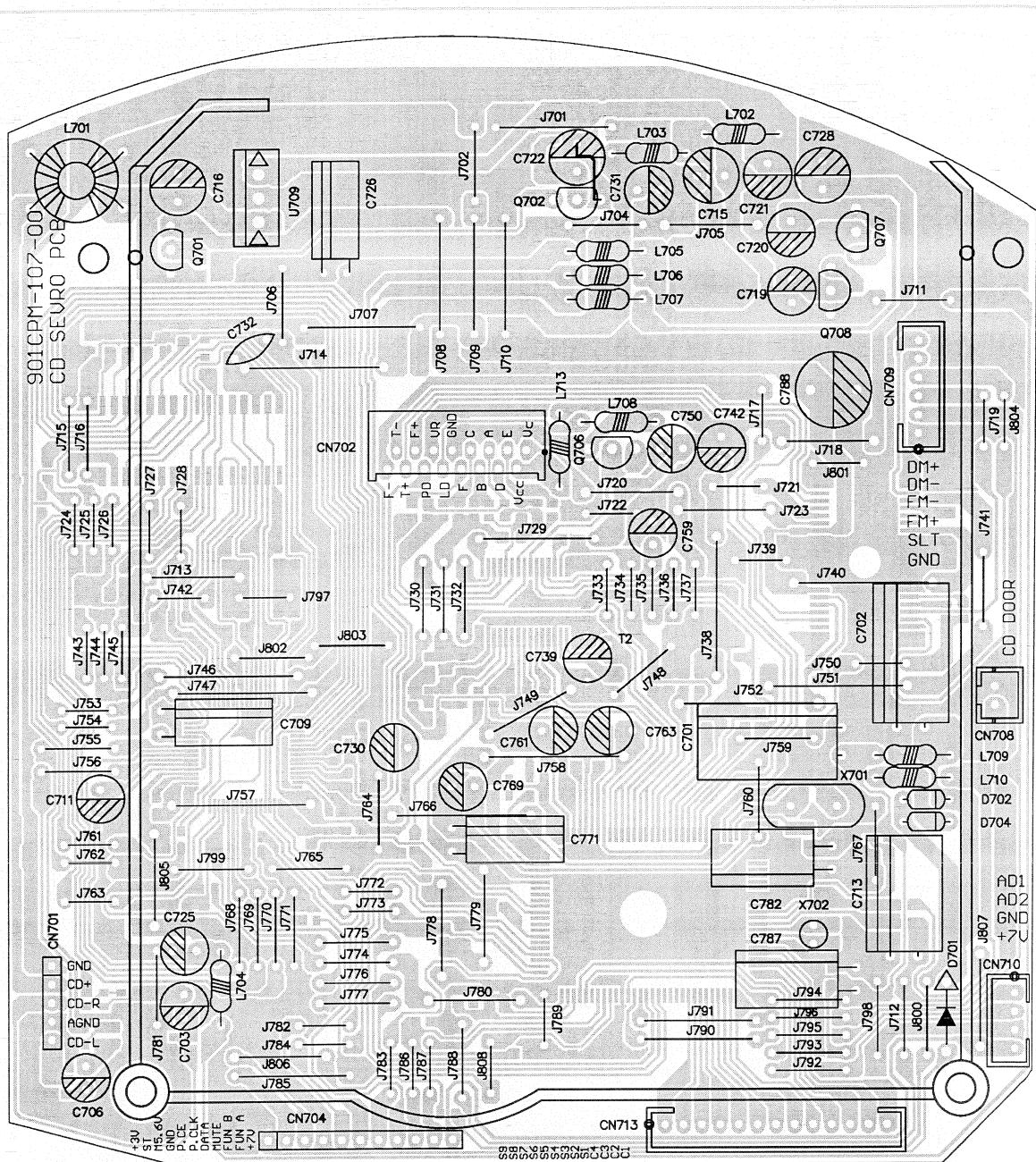






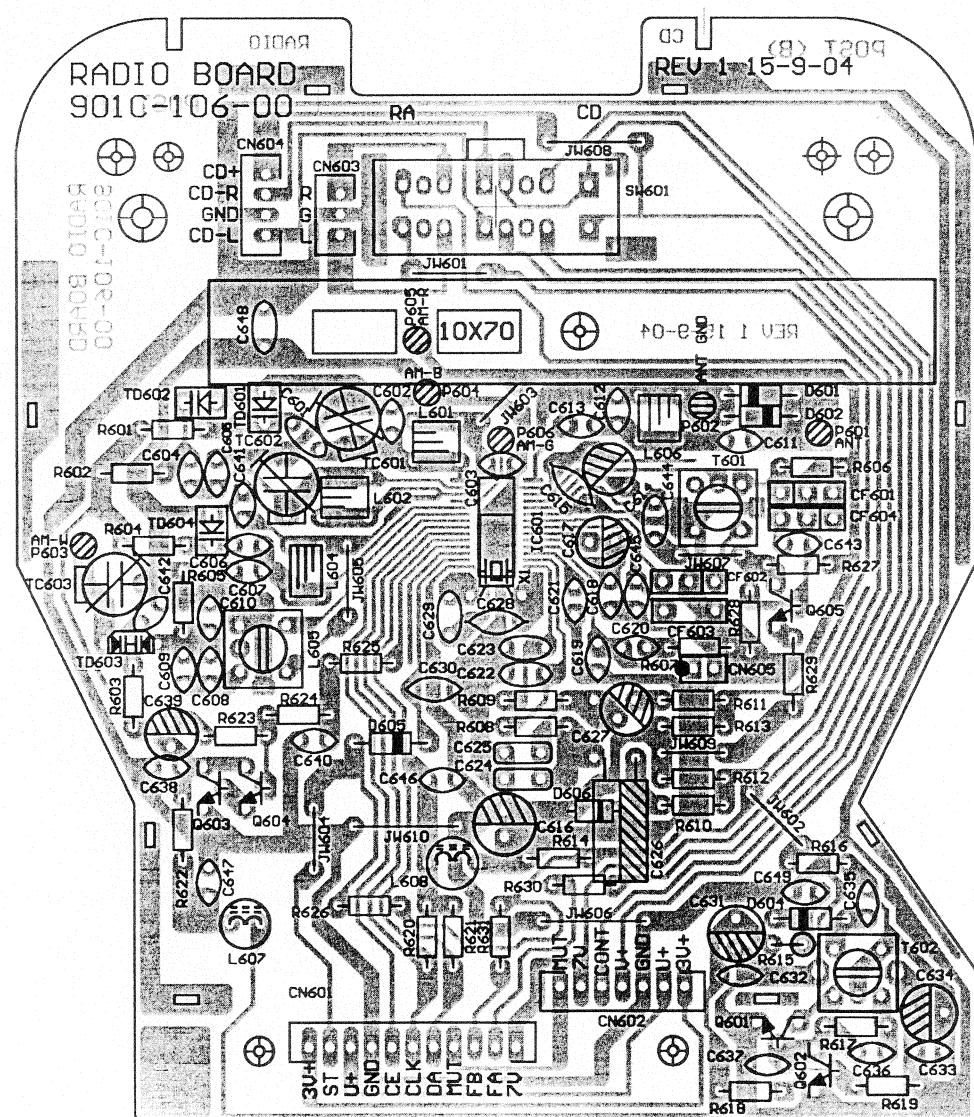
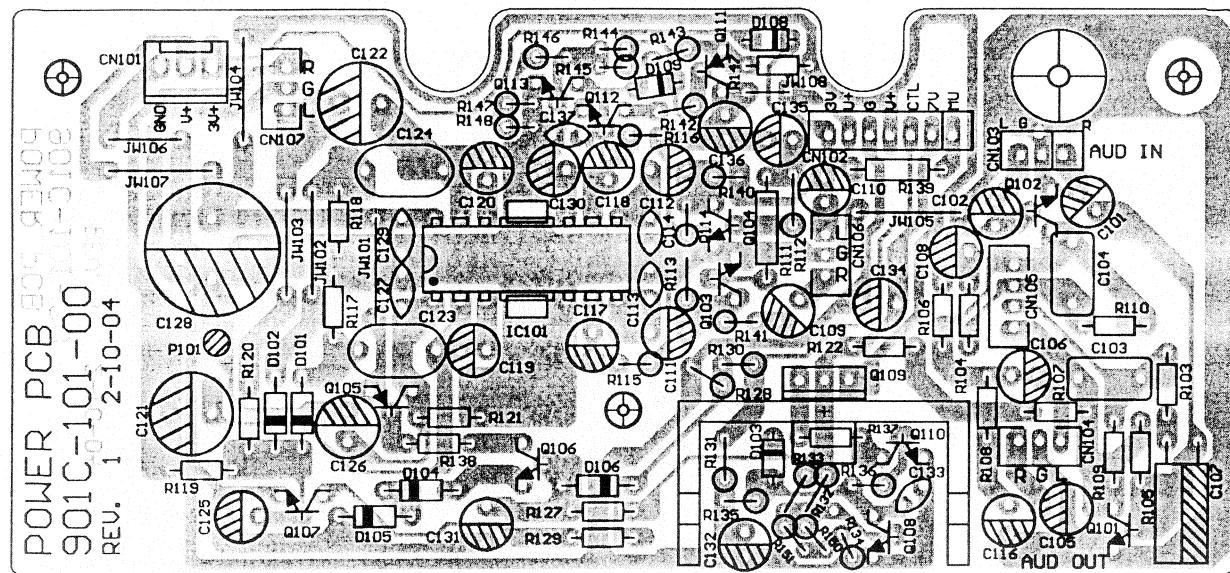
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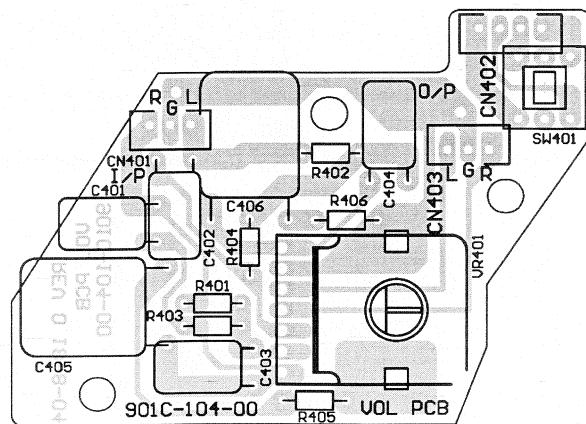
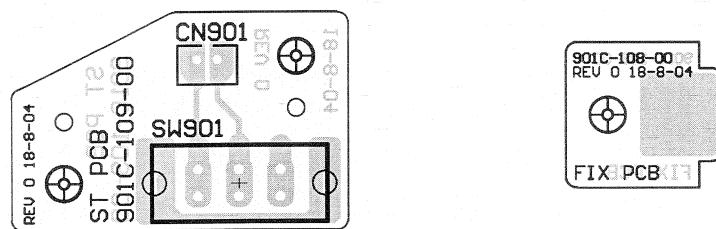
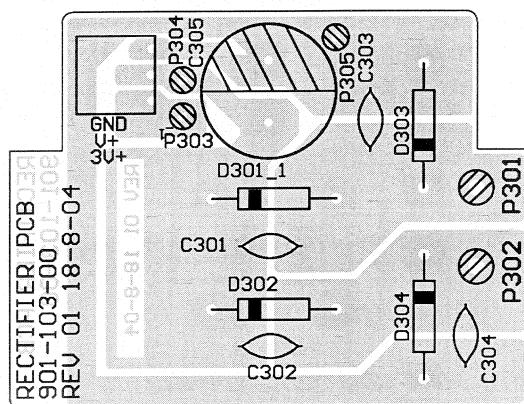
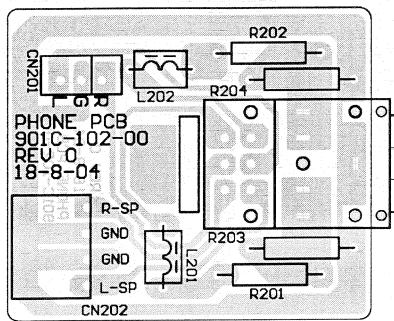
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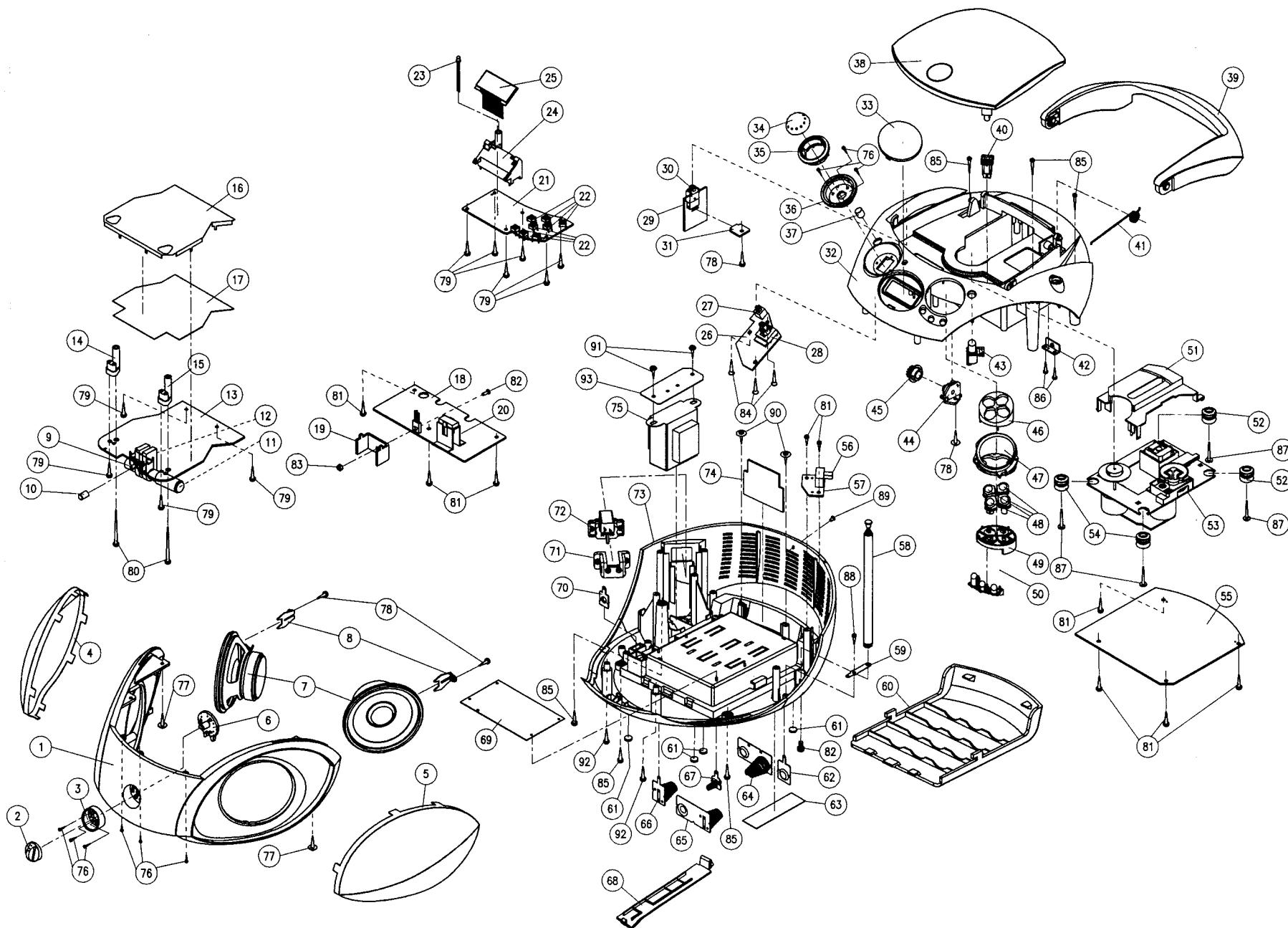
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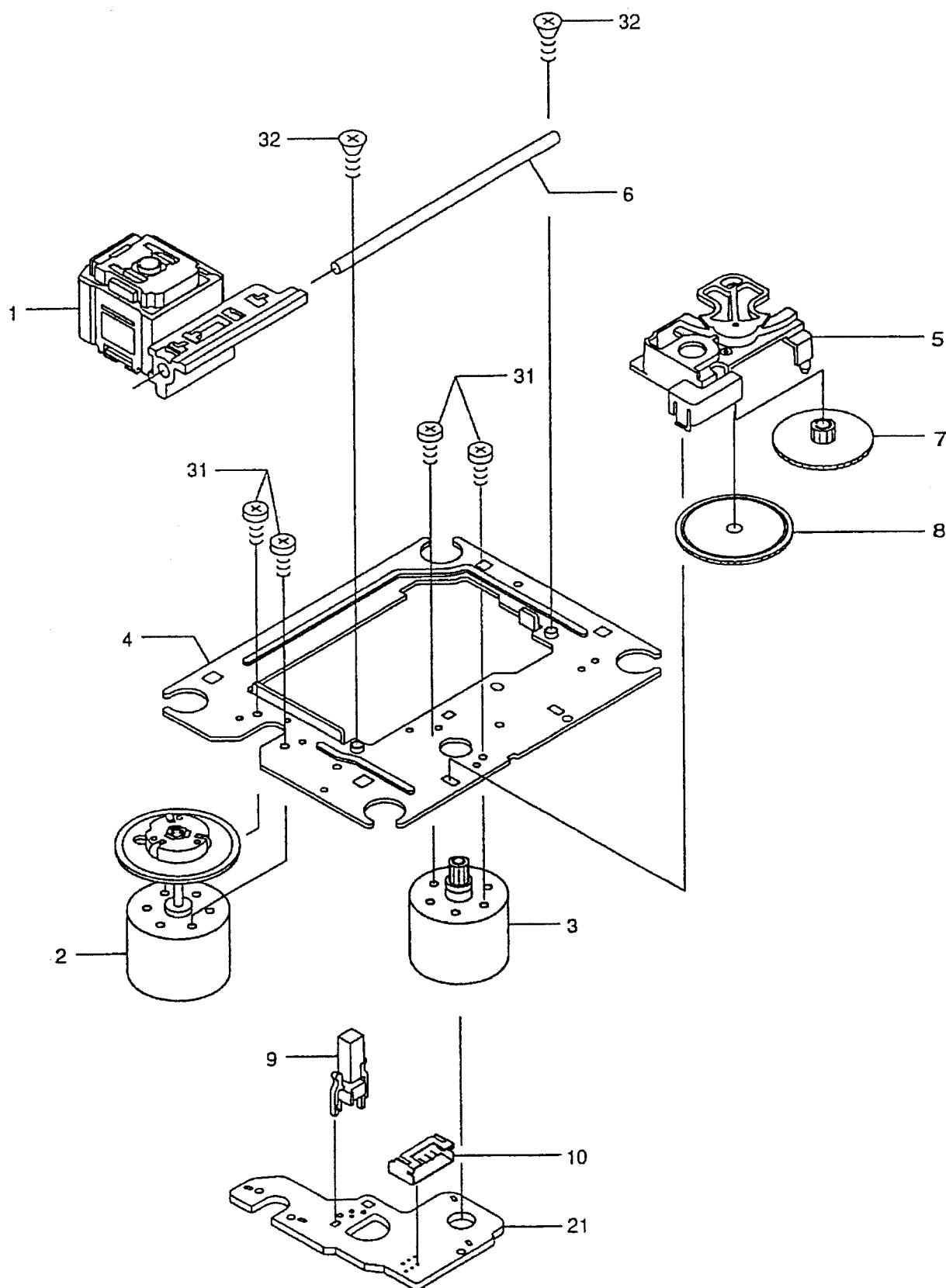
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RCD 1420 MP3



DA11 B3N

CD PLAYER MECHANISM EXPLODED VIEW



11 / 2004

RCD 1420 MP3

MATERIAL-NR. / PART NO.: 757123415000
BESTELL-NR. / ORDER NO.: GDP5100 CHROM/SCHWARZ / CHROME/BLACK

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		757123415000		RCD 1420 MP3 CHROM / SCHWARZ TAUSCHGERÄT	RCD 1420 MP3 CHROME / BLACK EXCHANGE SET
0038.000		759551086500		DECKEL CD	CD DOOR
0039.000		759551086400		TRAGEGRIFF	HANDLE
0041.000		759551081900		FEDER CD TUER	CD DOOR SPRING
0053.000	△	759550615100		LAUFWERK CD DA11-T3CN	CD MECHANISM DA11-T3CN
0058.000		759551082900		TELESKOPANTENNE TA78096	FM ROD ANTENNA TA78096
0060.000		759551086200		TUERE BATTERIEFACH	BATTERY DOOR
0068.000		759551086300		BATTERIEFACHABDECKUNG	BATTERY COVER
0100.000	△	759525012400		NETZKABEL	POWER CORD
		720114048500		BEDIENUNGSANLEITUNG D/GB/F/I/P/E/NL/PL/DK/S/FIN	INSTRUCTION MANUAL D/GB/F/I/P/E/NL/PL/DK/S/FIN

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTE RATION

ALIGNMENT PROCEDURE

FM RF ALIGNMENT

STEP	SIGNAL SOURCE (FM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	TP601 & TP602 through matching network if necessary		Terminals across speaker voice coil	(Lowest end)	NA	NA	Digital DC Volt meter is Connected to TP606 and grg
2				(Highest end)	L604 (Osc. Coil) stretch or squeeze	DC8.0V ±0.1V	
3		88 MHz (modulated)		88 MHz	L601 (RF coil) stretch or squeeze	Maximum	Volume control at max. position
4		106 MHz (modulated)		106 MHz	TC 601 (RF trimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary						

FM MPX ALIGNMENT (NA)

SIGNAL SOURCE	SET SIGNAL TO	ALIGNMENT INDICATOR (Frequency Counter) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS

AM RF ALIGNMENT

STEP	SIGNAL SOURCE (AM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	A standard radiation loop ant.		Across speaker voice coil	(Lowest end)	NA	NA	Digital DC Volt meter is Connected to TP606 and grg
2				(Highest end)	L 605 (Osc. Coil)	DC8.0V ±0.1V	
3		558 KHz (modulated)		558 KHz	MW COIL (ant. coil)	Maximum	Volume control at max. position
4		1440 KHz (modulated)		1440 KHz	TC 603 (ant. trimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary						

ALIGNMENT PROCEDURE

INSTRUMENTS REQUIRED

1. Signal Generator
2. FM Signal Generator
3. FM/AM IF Sweep Generator (10.7 MHz for FM)
4. VTVM
5. Oscilloscope
6. Frequency counter
7. Regulated DC power supply

GENERAL PREPARATION

1. Check source voltage, DC or AC according to specifications
2. Set function switch to band being aligned
3. Signal input should be kept as low as possible to avoid AGC and AFC function
4. Standard modulation :
 AM 1 KHz 30% mod
 FM 1 KHz 22.5 KHz dev

AM IF ALIGNMENT

STEP	SIGNAL SOURCE (AM RF Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	A standard radiation loop	450KHz	TP604 Detector output terminal and ground (TP605)	Quiet Point	T601	Maximum	Volume control at min. position
2	Repeat step 1 for max. output						

FM IF ALIGNMENT

This model requires no FM IF alignment as the IF is fixed by ceramic filter and discriminator CF601,CF604 & CF603. Please take note that correct type and same color dot of ceramic filter is used in servicing, diff color dot of ceramic filter may cause worse IF 'S' curve characteristic and distortion.

Connect IF genescope output terminal to TP603 & TP602 (GND) in series with a 1000Pf capacitor, connect scope input terminal to TP604 & TP605 (GND), then the IF characteristic curve can be observed.